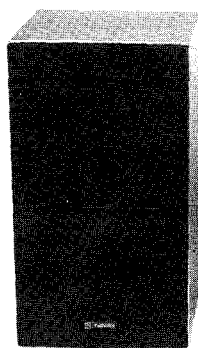
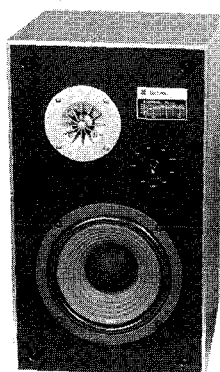


Service Manual



SB-102



SB-202



SB-302



SB-402

MODELS **SB-102, SB-202, SB-302, SB-402**

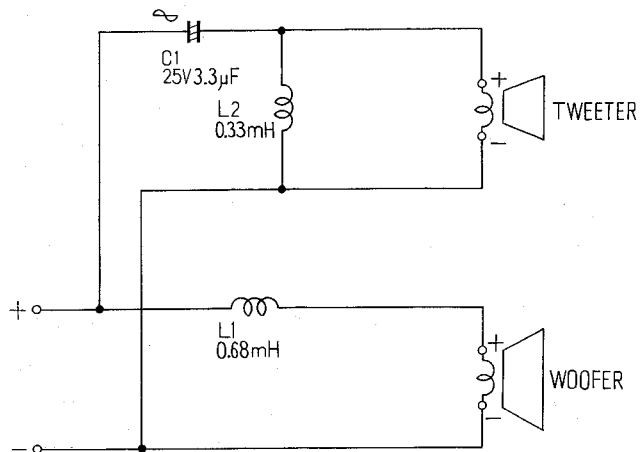
SPECIFICATIONS

ITEM \ MODEL	SB-102	SB-202	SB-302	SB-402
System	2-way 2-speakers	2-way 2-speakers	3-way 3-speakers	3-way 3-speakers
Speaker Unit				
Woofer	20cm (8") Cone	20cm (8") Cone	25cm (10") Cone	25cm (10") Cone
Midrange	—	—	12cm (5") Cone	3.2cm (1-1/3") Dome
Tweeter	2.5cm (1") Dome	2.5cm (1") Dome	2.5cm (1") Dome	2.5cm (1") Dome
Impedance	8Ω	8Ω	8Ω	8Ω
Input Power	36 watt	40 watt	50 watt	55 watt
Frequency Response	45Hz~20,000Hz	45Hz~20,000Hz	40Hz~20,000Hz	38Hz~20,000Hz
Crossover Frequency	4kHz	4kHz	1.25kHz, 7kHz	1.5kHz, 7kHz
Dimensions (W×H×D)	254mm×455mm×213mm	280mm×490mm×257mm	302mm×550mm×282mm	340mm×600mm×318mm
Weight	7kg	10kg	13.5kg	17kg

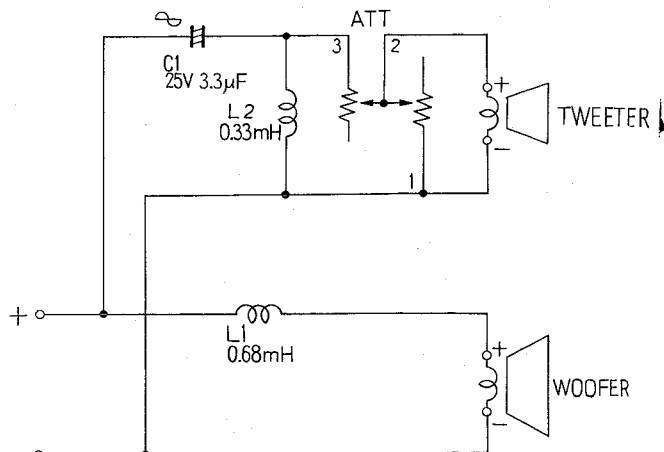
Matsushita Electric
Matsushita Electric Trading Co., Ltd.
P. O. Box 288, Central Osaka, Japan

■ SCHEMATIC DIAGRAM

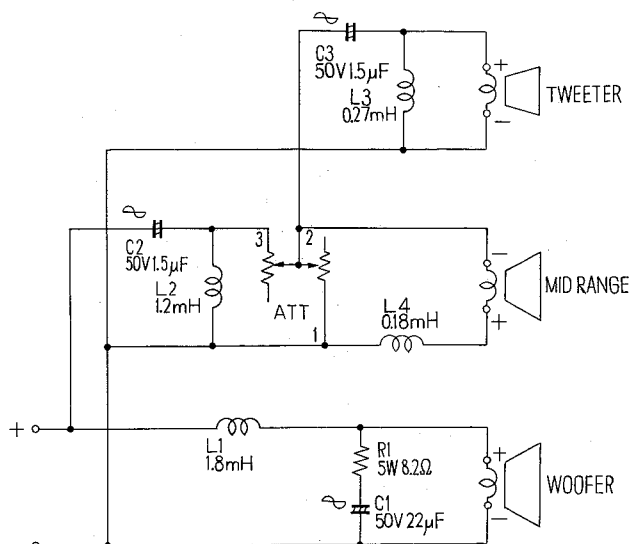
SB-102



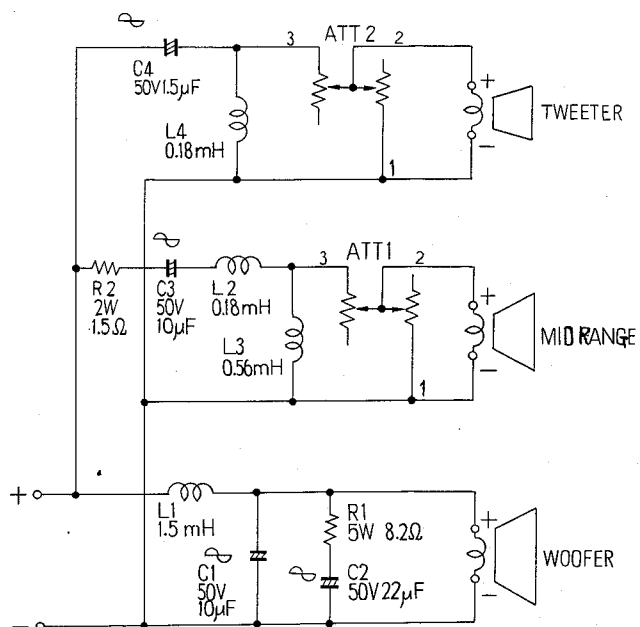
SB-202



SB-302

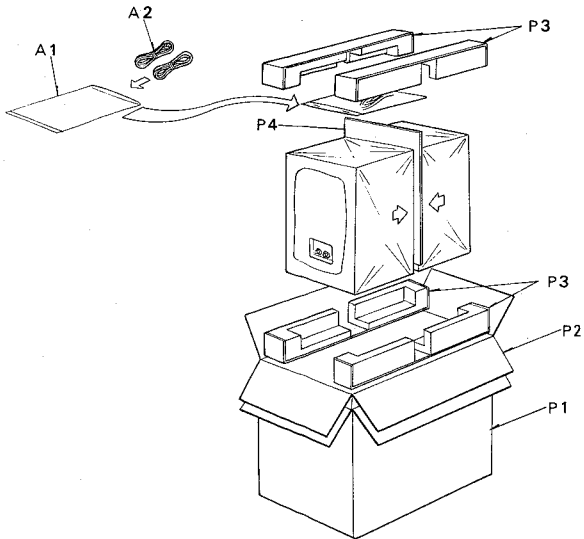


SB-402

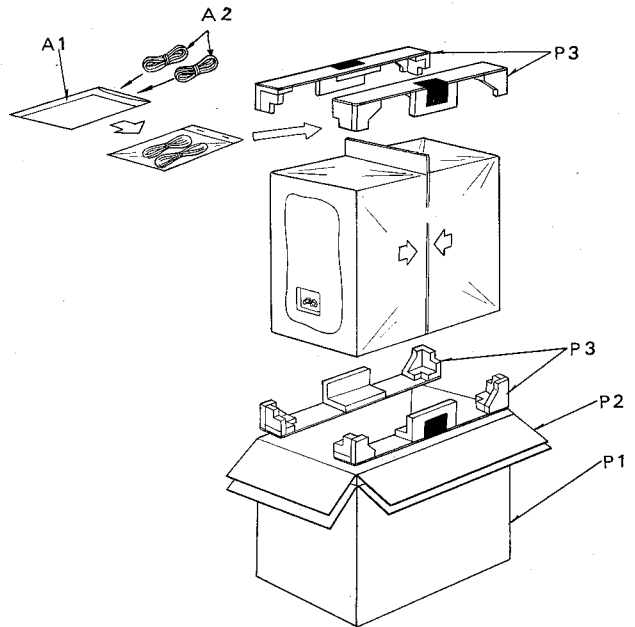


■ COMPONENT PACKING PROCEDURE

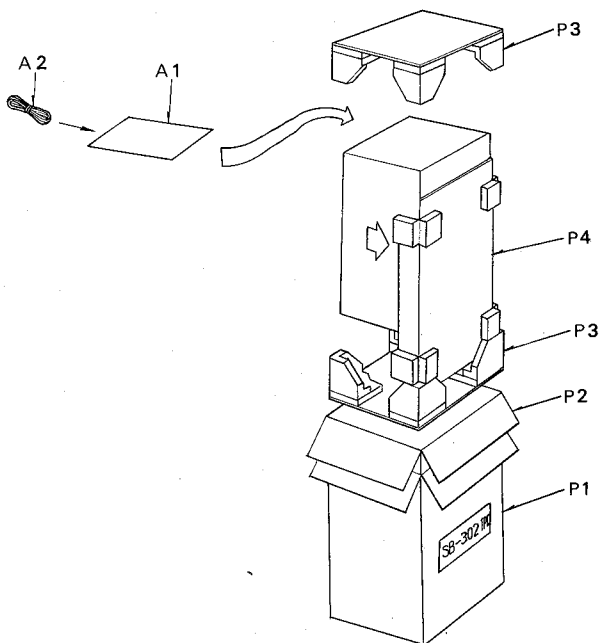
SB-102



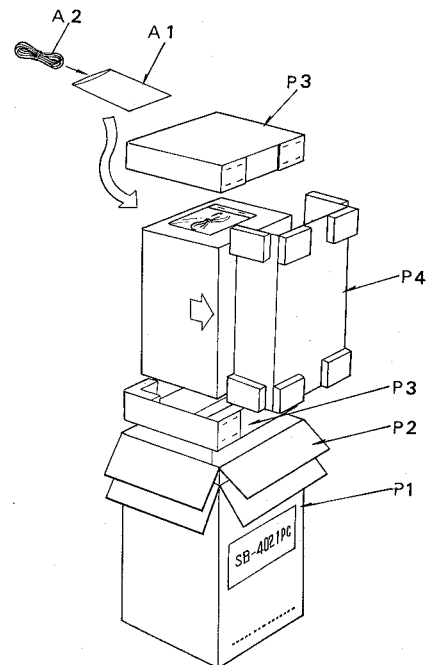
SB-202



SB-302



SB-402



■ REPLACEMENT PARTS LIST

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
MODEL SB-102					CA1	SKA7751	Cabinet	1	
SP1	EAS20PL62SA	Woofer, Speaker	1		CA2	SYB459	Grill	1	
SP2	EAS10KH08S	Tweeter, Speaker	1		CA3	SBN517K	Knob	1	
CA1	SKA7710	Cabinet (W/Grill, Rear Board)	1		CA4	SGB479	Badge (W/Freq. Response)	1	
CA2	SNE491	Nut, Speaker	8		CA5	SGE289-2	Ornamental, Woofer	1	
CA3	SNE281-2S	Screw, Speaker Terminal	1		CA6	SYE281-1	Attenuator Panel	1	
CA4	SGT10710	Name Plate	1		CA7	SRE19K	Attenuator	1	
A1	SQF927	Printed Matter	1		CA8	XYN4+F25FZS	Screw, Woofer & Mid Range	10	
A2	SJPA10-1	Speaker Cord	1		CA9	XYN4+C25FNS	Screw, Tweeter	4	
P1	SPG487	Outside Packing Case	1/2		CA10	SNE281-2S	Screw, Speaker Terminal	2	
P2	SPN5023	Inside Packing Case	1/2		CA11	SGT10712	Name Plate	1	
P3	SPN5025	Pad, Top & Bottom	2		A1	SQF931	Printed Matter	1	
P4	SPN5027	Partition	1/2		A2	SJPA10-1	Speaker Cord	1	
CA5	SGB411-2	Badge	1		P1	SPG493	Outside Packing Case	1	
MODEL SB-202					P2	SPN5065	Inside Packing Case	1	
SP1	EAS20PL107S	Woofer, Speaker	1		P3	SPN5067	Pad, Top & Bottom	2	
SP2	EAS10KH06SA	Tweeter, Speaker	1		P4	SPN5069	Pad, Front	1	
CA1	SKA7731	Cabinet	1		MODEL SB-402				
CA2	SYB457	Grill	1		SP1	EAS25PL40S	Woofer, Speaker	1	
CA3	SBN517K	Knob	1		SP2	EAS13KM02S	Midrange, Speaker	1	
CA4	SGB477	Badge (W/Freq. Response)	1		SP3	EAS10KH06SA	Tweeter, Speaker	1	
CA5	SYE281-1	Attenuator Panel	1		CA1	SKA7771	Cabinet	1	
CA6	SRE19K	Attenuator	1		CA2	SYB461	Grill	1	
CA7	XYN4+F25FZS	Screw, Woofer	4		CA3	SBN517K	Knob	1	
CA8	XYN4+C25FNS	Screw, Tweeter	4		CA4	SGB481	Badge (W/Freq. Response)	1	
CA9	SNE281-2S	Screw, Speaker Terminal	2		CA5	SYE279-1	Attenuator Panel, Midrange	1	
CA10	SGT10711	Name Plate	1		CA6	SYE281-1	Attenuator Panel, High	1	
A1	SQF929	Printed Matter	1		CA7	SRE19K	Attenuator	2	
A2	SJPA10-1	Speaker Cord	1		CA8	XYN4+F25FZS	Screw, Woofer & Midrange	10	
P1	SPG489	Outside Packing Case	1/2		CA9	XYN4+C25FNS	Screw, Tweeter	4	
P2	SPN5047	Inside Packing Case	1/2		CA10	SNE281-2S	Screw, Speaker Terminal	2	
P3	SPN5049	Pad, Top & Bottom	2		CA11	SGE289-2	Ornamental, Woofer	1	
P4	SPN5051	Partition	1/2		CA12	SGT10713	Name Plate	1	
MODEL SB-302					A1	SQF933	Printed Matter	1	
SP1	EAS25PL40S	Woofer, Speaker	1		A2	SJPA10-1	Speaker Cord	1	
SP2	EAS12PM30SF	Midrange, Speaker	1		P1	SPG491	Outside Packing Case	1	
SP3	EAS10KH06SA	Tweeter, Speaker	1		P2	SPN5053	Inside Packing Case	1	
					P3	SPN5055	Pad, Top & Bottom	2	
					P4	SPN5057	Pad, Front	1	

Service Manual

Supplementary-2

Speaker SB-102, 202, 302, 402

- ★ This service manual includes only the changes of the **SB-102, 202, 302, 402** service manual (ORDER NO. SD 7501-1002).
- ★ This service manual should be filed with the service manual for model **SB-102, 202, 302, 402** (ORDER NO. SD7501-1002).
- ★ When servicing model **SB-102, 202, 302, 402**, this service manual and **SB-102, 202, 302, 402** (ORDER NO. SD 7501-1002) service manual should be used together.

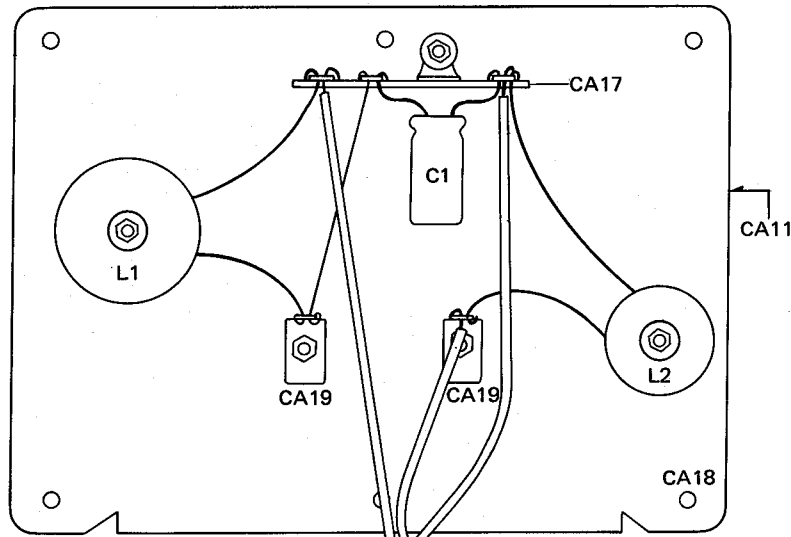
SB-102, 202

■ REPLACEMENT PARTS LIST

● Addition

Ref. No.	Change of Part No.		Description	Per Set (Pcs.)	Remarks
	Part No. Listed	Part No.			
L1	●	SLCA681KU	0.68mH Choke Coil	1	SB-102, 202
L2	●	SLCE331KU	0.33mH Choke Coil	1	SB-102, 202
C1	●	ECEA25Y3R3	25V, 33 μ F, Electrolytic	1	SB-102, 202
CA11	●	SMN1331	Terminal Board	1	SB-102, 202
CA12	●	XSA3A16FZS	Screw, Terminal Board	1	SB-102, 202
CA13	●	XSA3A30FZS	Screw, Terminal Board	1	SB-102, 202
CA14	●	XSA3A35FZS	Screw, Terminal Board	1	SB-102, 202
CA15	●	SGE103	Connector, Speaker Terminal	1	SB-102, 202
CA16	●	SGE103-1	Connector, Speaker Terminal	1	SB-102, 202
CA17	●	RJR3B	Terminal, 3P	1	SB-102, 202
CA18	●	XYYS31J16	Screw, Terminal Board	6	SB-102, 202
CA19	●	STT719	Terminal Pin	2	SB-102, 202
CA20	●	SKE19-1	Socket, Cabinet	4	SB-202
CA21	●	SKE17	Socket, Cabinet	4	SB-202
CA22	●	SHG1245-2	Rubber, Grill	4	SB-202

SB-102, SB-202



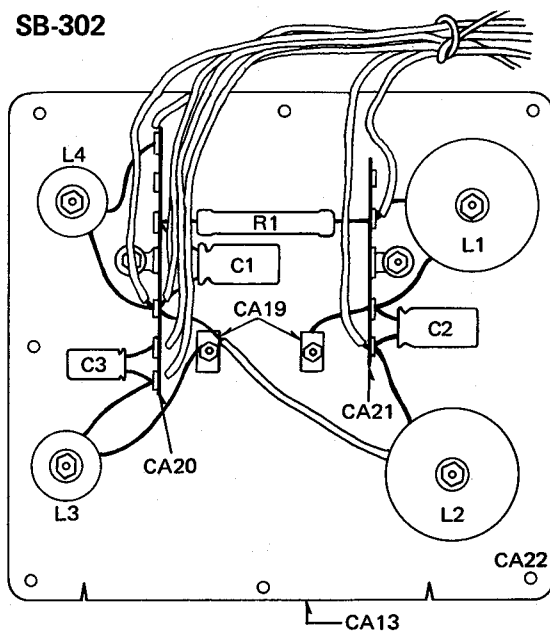
SB-302, 402

REPLACEMENT PARTS LIST

● Addition

Ref. No.	Change of Part No.		Description	Per Set (Pcs.)	Remarks
	Part No. Listed	Part No.			
L1	●	SLCA182KU	1.8mH Choke Coil	1	SB-302
L2	●	SLCE122KU	1.2mH Choke Coil	1	SB-302
L3	●	SLCA271KU	0.27mH Choke Coil	1	SB-302
L4	●	SLCA181KU	0.18mH Choke Coil	1	SB-302
L1	●	SLCA152KU	1.5mH Choke Coil	1	SB-402
L2	●	SLCE561KU	0.56mH Choke Coil	1	SB-402
L3, L4	●	SLCA181KU	0.18mH Choke Coil	2	SB-402
C1	●	ECEA50Y22	50V 22 μ F Electrolytic	1	SB-302, 402
C2	●	ECE50Y15	50V 15 μ F Electrolytic	1	SB-302
C3	●	ECEA50Y1R5	50V 1.5 μ F Electrolytic	1	SB-302, 402
C2, C3	●	ECEA50Y10	50V 10 μ F Electrolytic	2	SB-402
R1	●	ERX5ANJ8R2	5W, 8.2 Ω , Wire Wound	1	SB-302, 402
R2	●	ERX2ANJ1R5	2W, 1.5 Ω , Wire Wound	1	SB-402
CA13	●	SMN1333	Terminal Board	1	SB-302, 402
CA14	●	XSA3A16FZS	Screw, Terminal Board	2	SB-302, 402
CA15	●	XSA3A30FZS	Screw, Terminal Board	2	SB-302
CA15	●	XSA3A30FZS	Screw, Terminal Board	3	SB-402
CA16	●	XSA3A35FZS	Screw, Terminal Board	2	SB-302, 402
CA16	●	XSA3A35FZS	Screw, Terminal Board	1	SB-402
CA17	●	SGE103	Connector, Speaker Terminal	1	SB-302, 402
CA18	●	SGE103-1	Connector, Speaker Terminal	1	SB-302, 402
CA19	●	SJT719	Terminal Pin	2	SB-302, 402
CA20	●	SJR607-1	Terminal, 4P	1	SB-302, 402
CA21	●	RJR2B	Terminal, 6P	1	SB-302, 402
CA22	●	XYYS31J16	Screw, Terminal Board	8	SB-302, 402
CA23	●	SKE19-1	Socket, Cabinet	4	SB-302, 402
CA24	●	SKE17	Socket, Cabinet	4	SB-302, 402
CA25	●	SHG1245-2	Rubber, Grill	4	SB-302, 402

SB-302



SB-402

